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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/626,535	07/27/2000	Donald F. Hooper	10559-137002 / P7876X 1214		
20985 FISH & RICHA	7590 04/18/2007 ARDSON, PC	EXAMINER			
P.O. BOX 1022			ENG, DAVID Y		
MINNEAPOLIS, MN 55440-1022			ART UNIT	PAPER NUMBER	
		•	2155		
SHORTENED STATUTORY	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
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Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary		Application	Application No. Ap		Applicant(s)		
		09/626,53	35	HOOPER ET ALp)		
		Examiner		Art Unit			
		DAVID Y.	ENG	2155			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
WHICHEVER IS - Extensions of time I after SIX (6) MONT - If NO period for repl - Failure to reply with Any reply received I	O STATUTORY PERIOD F S LONGER, FROM THE N may be available under the provisions HS from the mailing date of this com y is specified above, the maximum s in the set or extended period for reply by the Office later than three months adjustment. See 37 CFR 1.704(b).	MAILING DATE OF THe sof 37 CFR 1.136(a). In no even munication. In the sof 37 CFR 1.136(a). In no even munication. It is apply and we will, by statute, cause the apply and we will apply appl	HIS COMMUNICATION ent, however, may a reply be tim II expire SIX (6) MONTHS from lication to become ABANDONE	N. hely filed the mailing date of this cor D (35 U.S.C. § 133).			
Status							
2a)☐ This actio 3)☐ Since this	ve to communication(s) filents is FINAL . Examplication is in condition accordance with the pract	2b)⊠ This action is n for allowance except	for formal matters, pro		merits is		
Disposition of Clai	ms						
4a) Of the 5) ☐ Claim(s) _ 6) ☑ Claim(s) _ 7) ☐ Claim(s)	above claim(s) is/are pending above claim(s) is/a is/are allowed. and 3-21 is/are rejected. is/are objected to. are subject to restri	are withdrawn from co	٠.		· .		
Application Paper	S						
10) The drawi Applicant r Replacem	rication is objected to by the ng(s) filed on is/are nay not request that any objected that drawing sheet(s) including the declaration is objected the name of the name	ection to the drawing(s) I g the correction is requir	ne held in abeyance. See ed if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CF			
Priority under 35 l	J.S.C. § 119	•		•			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
	erson's Patent Drawing Review (sure Statement(s) (PTO/SB/08)		4) Interview Summary Paper No(s)/Mail De 5) Notice of Informal F 6) Other:	ate			

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Claim 2 has been cancelled previously. Newly submitted claim 21 has been entered. The active claims are 1 and 3-21.

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1 and 3-21 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-17 of U.S. Patent No. 6,606,704. Although the conflicting claims are not identical, they are not patentably distinct from each other because the method as recited in the instant claims is performed by the multithreaded processor recited in the '704 patent. The claims of US patent '704 recite a system for performing the method set forth in the instant claims. The general purpose processor along with the plurality of program counters recited in '704 schedule threads to the plurality of micro-engines via a first bus for processing. The independent claims of '704 further recite that the plurality of micro-engines are capable of simultaneously

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active. Anyone of the micro-engines therefore can be scheduled without waiting for completion of other micro-engines.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1 and 3-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kahle (USP 6,212,542) in vew of Belkin (USP 6,373,848).

With respect to claim 1, See the abstract, Figures 4, and 6 and the corresponding description thereof in the specification of Kahle. Kahle teaches:

A method of processing network data in a processor (multiscalar processor) having multiple programmable multi-threaded engines (PEs, 132-138 Figure 4) integrated within the processor, the method comprising:

scheduling (thread scheduler, Fig. 4) a first thread provided by the multiple programmable multi-threaded engines integrated within the processor to process a first incoming block of data within a network packet received at port of a media access control device; and

scheduling a second thread provided by the multiple programmable multi-threaded engines integrated within the processor to process a second incoming block of data within the network packet prior to the first thread completing processing of the first incoming block of data.

The only difference is that Kahle does not make clear whether his processor is processing in a network environment. Using a processor having multiple thread engines to process network data is well known in the art. Belkin teaches using a processor having multiple thread engines to process network data. From the teaching of Belkin, it would have been obvious to a person of ordinary skill in the art to use the multiscalar

processor of Kahle in a network environment so that packets can be processed by the multiple engines (PEs).

As to claim 3, it is well known that processor has state information. Storing and retrieving state information (addresses in memory program counter) is well known in computer art.

As to claims 4-6, memory pointer is nothing but a counter and is inherent in memory.

As to claims 7-21, they do not define above the invention claimed in claim and therefore are rejected for the same reasons.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID Y. ENG whose telephone number is 571-272-3984. The examiner can normally be reached on M-F from 8AM to 3PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, SALEH NAJJAR, can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DAVID Y. ENG PRIMARY EXAMINER